



SequenceListingUS.ST25.txt
SEQUENCE LISTING

7

<110> Bech-Hansen, Torben

<120> GPI-Anchored Small Leucine-Rich Proteoglycan Gene NYX

<130> 45499-2

<140> US 09/853,753

<141> 2001-05-14

<150> CA 2,306,241

<151> 2000-05-12

<160> 14

<170> PatentIn version 3.1

a!
<210> 1

<211> 2297

<212> DNA

<213> Mus sp.

<300>

<301> Bech-Hansen NT et al.

<302> Mutations in NYX, encoding the leucine-rich proteoglycan nyctalopin, cause X-linked complete congenital stationary night blindness

<303> Nature Genetics

<304> 26

<305> 3

<306> 319-323

<307> 2000-11-01

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<308> GenBank / AF254868

<309> 2000-12-23

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<210> 2

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<213> Mus sp.

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20      25      30

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Ala Ala Cys Ala Cys Ser Thr Val Glu Arg Gly Cys Ser Val Arg Cys
35      40      45

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Asp Arg Ala Gly Leu Leu Arg Val Pro Ala Glu Leu Pro Cys Glu Ala
50      55      60

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```

Val Ser Ile Asp Leu Asp Arg Asn Gly Leu Arg Phe Leu Gly Glu Arg
65      70      75      80

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```

Ala Phe Gly Thr Leu Pro Ser Leu Arg Arg Leu Ser Leu Arg His Asn
85      90      95

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Asn Leu Ser Phe Ile Thr Pro Gly Ala Phe Lys Gly Leu Pro Arg Leu
100     105     110

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Ala Glu Leu Arg Leu Ala His Asn Gly Asp Leu Arg Tyr Leu His Ala
115 120 125

Arg Thr Phe Ala Ala Leu Ser Arg Leu Arg Arg Leu Asp Leu Ala Ala
130 135 140

Cys Arg Leu Phe Ser Val Pro Glu Arg Leu Leu Ala Glu Leu Pro Ala
145 150 155 160

Leu Arg Glu Leu Ala Ala Phe Asp Asn Leu Phe Arg Arg Val Pro Gly
165 170 175

Ala Leu Arg Gly Leu Ala Asn Leu Thr His Ala His Leu Glu Arg Gly
180 185 190

Arg Ile Glu Ala Val Ala Ser Ser Ser Leu Gln Gly Leu Arg Arg Leu
195 200 205

Arg Ser Leu Ser Leu Gln Ala Asn Arg Val Arg Ala Val His Ala Gly
210 215 220

Ala Phe Gly Asp Cys Gly Val Leu Glu His Leu Leu Leu Asn Asp Asn
225 230 235 240

Leu Leu Ala Glu Leu Pro Ala Asp Ala Phe Arg Gly Leu Arg Arg Leu
245 250 255

Arg Thr Leu Asn Leu Gly Gly Asn Ala Leu Asp Arg Val Ala Arg Ala
260 265 270

Trp Phe Ala Asp Leu Ala Glu Leu Glu Leu Leu Tyr Leu Asp Arg Asn
275 280 285

Ser Ile Ala Phe Val Glu Glu Gly Ala Phe Gln Asn Leu Ser Gly Leu
290 295 300

Leu Ala Leu His Leu Asn Gly Asn Arg Leu Thr Val Leu Ala Trp Val
305 310 315 320

Ala Phe Gln Pro Gly Phe Phe Leu Gly Arg Leu Phe Leu Phe Arg Asn
325 330 335

Pro Trp Cys Cys Asp Cys Arg Leu Glu Trp Leu Arg Asp Trp Met Glu
340 345 350

Gly Ser Gly Arg Val Thr Asp Val Pro Cys Ala Ser Pro Gly Ser Val
355 360 365

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Ala Gly Leu Asp Leu Ser Gln Val Thr Phe Gly Arg Ser Ser Asp Gly
370 375 380

Leu Cys Val Asp Pro Glu Glu Leu Asn Leu Thr Thr Ser Ser Pro Gly
385 390 395 400

Pro Ser Pro Glu Pro Ala Ala Thr Thr Val Ser Arg Phe Ser Ser Leu
405 410 415

Leu Ser Lys Leu Leu Ala Pro Arg Val Pro Val Glu Glu Ala Ala Asn
420 425 430

Thr Thr Gly Gly Leu Ala Asn Ala Ser Leu Ser Asp Ser Leu Ser Ser
435 440 445

Arg Gly Val Gly Gly Ala Gly Arg Gln Pro Trp Phe Leu Leu Ala Ser
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Cys Leu Leu Pro Ser Val Ala Gln His Val Val Phe Gly Leu Gln Met
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Asp

<210> 3

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> PCR primer

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<221> misc_feature

<222> (1)..(20)

<223> forward primer for polymorphism 506B13CA1 (DXS10042)

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SequenceListingUS.ST25.txt

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<223> PCR primer

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<210> 8

<211> 21

<212> DNA

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SequenceListingUS.ST25.txt

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<211> 21

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<212> DNA

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<223> PCR primer

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<222> (1)..(18)

<223> reverse primer for NYX expression

SequenceListingUS.ST25.txt

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19

<210> 13

SequenceListingUS.ST25.txt

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<212> DNA

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<222> (1)..(19)

<223> reverse primer for segregation analysis of deletion mutation

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19